

A black and white photograph of a man in a suit and hat operating a vintage movie camera on a tripod. The man is looking through the viewfinder. The background is a cloudy sky.

VIDEO MODELING

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April 23, 2010

What is Video Modeling

Video Modeling – is a teaching technique which involves having a student watch a model student perform a target skill on a video and then practice the skill that he/she observed.

Can be used to teach



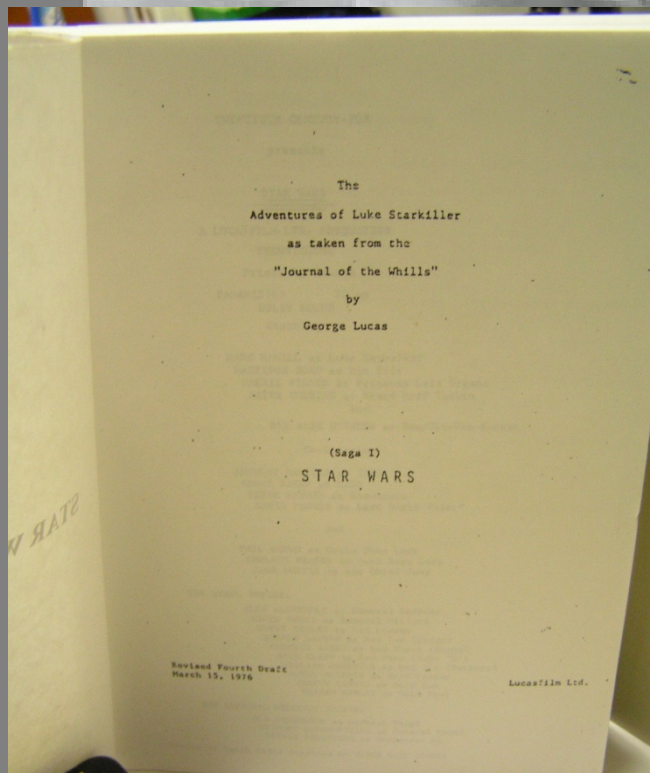
- Communication skills (requesting, asking for help, commenting about events, etc.)
- Functional routines (hand washing, unpacking a backpack, etc.)
- Academics
- Play/Leisure (Initiating an interaction, requesting a turn, joining a game, etc.)
- Social skills (taking turns, initiating an interaction, cooperative games, perceptive taking, making comments, etc.)

Basic guidelines for designing your video

- ▣ Task analysis
- ▣ Setting viewed in the video tape should be the same as the setting in which the child will demonstrate the behavior
- ▣ Expansion and generalization using different settings
- ▣ Video must show a “close-up” of the targeted action or behavior

IMPORTANT...

- ▣ Your Tasks Analysis is Your SCRIPT...



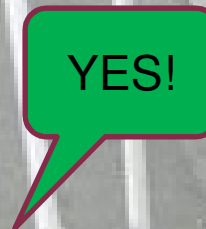
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How to use your baseline as part of the initial video

- ▣ Idea is to include social story within the video modeling:
 - Utilize the pre-assessment baseline as part of your training.

Ways to highlight important information

- ▣ Slow motion
- ▣ Up Close- zoom in
- ▣ Highlight single words
- ▣ Use text
- ▣ Use symbols



- ▣ Bus

How to make a video

A black and white photograph of a man in a suit and hat operating a vintage movie camera on a tripod. The man is looking through the viewfinder. The background is a cloudy sky.

- ▣ Videos are short, usually less than 3-5 minutes
 - Teach one skill at a time
 - May be viewed on an IPOD, DVD, or computer
- ▣ – Very accessible to the student
- ▣ – Some students access their own videos
 - Some students want to video their own attempts
 - Videos may be used as reinforcers
 - No special equipment is needed (video recorder, player)

General guidelines

A black and white photograph of a man in a suit and hat operating a vintage movie camera on a tripod. The man is looking through the viewfinder. The background is a cloudy sky.

- ▣ Prerequisites
 - Individual must be able to stay seated
 - Look at the video
 - Attend to video for designated period of time
- ▣ Behavior targeted should be one or two steps ahead of the viewers level of competence (Baseline first)
- ▣ Shaping behavior alone is not sufficient

Video Modeling Procedures

A black and white photograph of a man wearing a suit and a fedora-style hat. He is standing behind a large video camera mounted on a tripod. He appears to be adjusting the camera. The background is a plain, light-colored wall.

Your student watches the video

- Typically your student will watch 3-5 times
- Afterwards, you can tell the student “Now it’s your turn, just like the video” and have the student attempt the skill
- The student attempts the skill

Continue to create opportunities to practice the new skills

Video Modeling

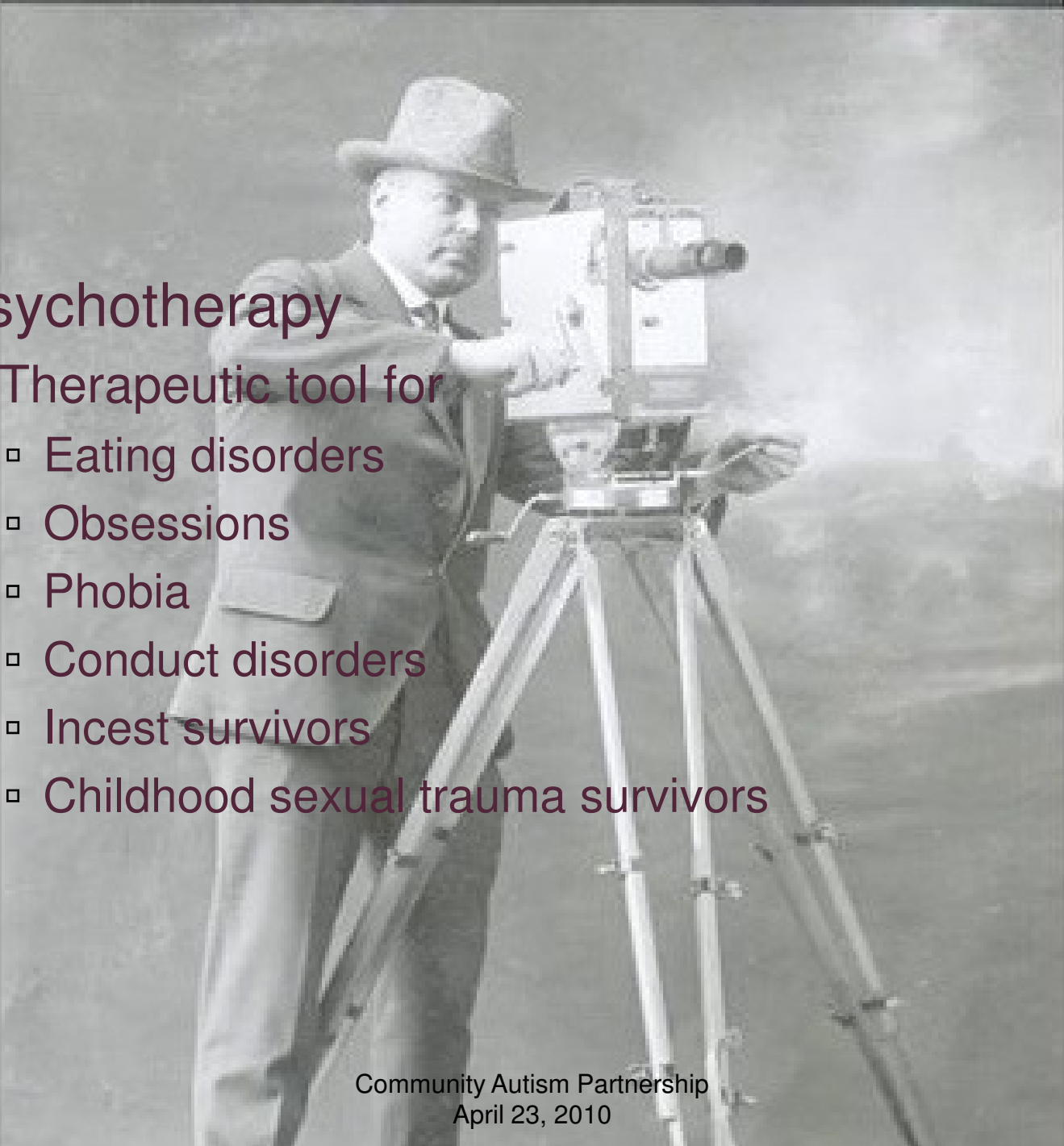
A black and white photograph of a man in a suit and hat operating a vintage movie camera on a tripod. The man is looking through the viewfinder. The background is a cloudy sky.

- ▣ Not tied to a specific treatment approach
- ▣ Can be used to enhance learning and social skills
- ▣ Powerful tool for learning new behaviors and improving already acquired skills
- ▣ Reinforcing

Research

A black and white photograph of a man wearing a hat and a suit, operating a vintage movie camera mounted on a tripod. The man is looking through the viewfinder. The background is a light, textured surface.

- ▣ Shown that one modeled instance can produce learning for a new behavior
- ▣ 1973- Looked at video modeling demonstrated similar clinical efficacy to live modeling procedure
- ▣ Effectively used in a large number of distinct discipline (1983, 2001)
 - Medical
 - Patient education
 - Psychiatric
 - ▣ Decrease anxiety, pain and enhance coping ability
 - ▣ Geriatric patients
 - Increasing self-care behavior

- 
- ▣ **Psychotherapy**
 - Therapeutic tool for
 - ▣ Eating disorders
 - ▣ Obsessions
 - ▣ Phobia
 - ▣ Conduct disorders
 - ▣ Incest survivors
 - ▣ Childhood sexual trauma survivors

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Special education

A man in a military-style uniform, including a beret and a jacket with a patch, is operating a video camera mounted on a tripod. The background is a blurred outdoor scene.

- ▣ Enhance social behaviors in preschool children with low levels of social responsiveness
- ▣ Teaching employment related skills in adults with severe disabilities
- ▣ Teaching domestic skills to adults with severe disabilities
- ▣ Developing a simple meal preparation skill in adults with mild to moderate disabilities
- ▣ Establishing compliance with dental procedures for individuals with learning difficulties
- ▣ Feedback intervention to increase the on task behavior rate in students with emotional and behavioral disorders

Video as a visually cued instruction in Autism

- ▣ Used to increase adaptive behaviors
- ▣ Increase communication
- ▣ Increase social skills
- ▣ Teach new skills
- ▣ Decrease mal-adaptive behaviors

How Effective is Video Modeling

National Standards Committee- Effective Treatment

- A large number of studies have shown video modeling to be effective in teaching students with autism a variety of skills.
- Students seem to:
 - Enjoy watching the video
 - Access videos as reinforcement
 - No need for lots of prompts
 - Learn skills at a faster rate
 - Do not just memorize scripted routines
 - Apply skills in different contexts
 - Generalize skills over people

Autism

- ▣ Strong visual learners
- ▣ Receptive abilities are inconsistent
- ▣ Most traditional therapies focus on a ***deficit approach***
 - ▣ Video modeling focuses on ***strengths*** to enhance comprehension



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Social Deficits

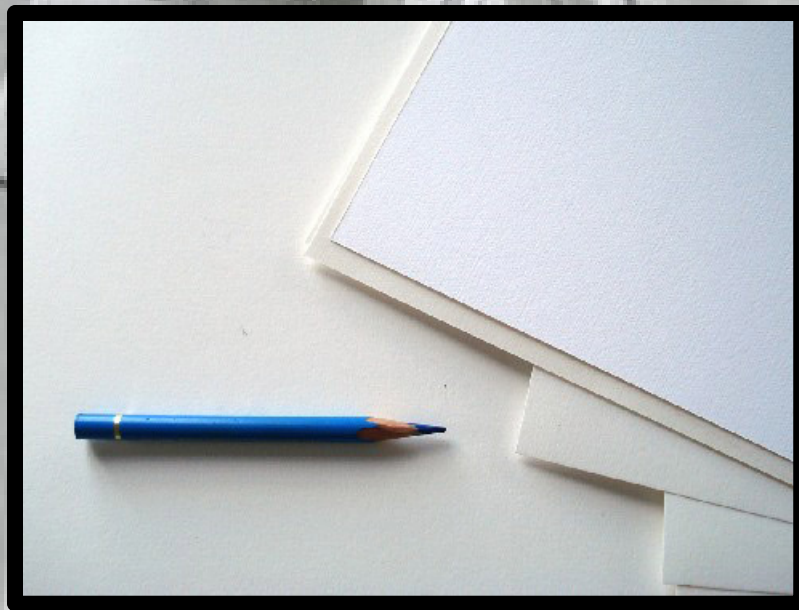
A black and white photograph of a man in a suit and hat operating a vintage movie camera on a tripod. The man is looking through the viewfinder. The background is a hazy, outdoor landscape.

- ▣ Development of attachments
- ▣ Peer relations
- ▣ Social Skills
- ▣ Social Competence

Learning strengths

- ▣ are you a visual or auditory learner?

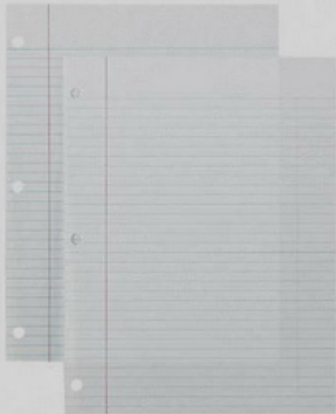
YOU NEED:



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▣ How to make a Peanut butter and Jelly Sandwich

YOU NEED:



Write down the steps that you use to make a Peanut butter and jelly sandwich (Task Analysis)

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What Does Video Modeling Look Like...

A black and white photograph of a man in a suit and hat operating a vintage movie camera on a tripod. The man is looking through the viewfinder. The camera is mounted on a large, ornate tripod. The background is a cloudy sky. The text "What Does Video Modeling Look Like..." is overlaid in red.

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Cleaning up videos

- ▣ <http://www.youtube.com/watch?v=Qr0qVYoPUAQ&feature=related>

Skills to target with Video Modeling

A black and white photograph of a man in a suit and hat, operating a vintage movie camera on a tripod. The man is looking through the viewfinder, and the camera is pointed towards the right. The background is slightly blurred, showing what appears to be an outdoor setting.

- ❖ Actions
- ❖ Appropriate Play
- ❖ Art Projects/Academic skills & tasks
- ❖ Articulation
- ❖ Attention
- ❖ Bathing/Dressing
- ❖ Eating at the table/in general
- ❖ Emotions
- ❖ Community outings
- ❖ Greetings
- ❖ Appropriate Behaviors
- ❖ Preparing for medical activities
- ❖ Pretend play/socialization
- ❖ Requesting
- ❖ Commenting
- ❖ Riding a bike
- ❖ Safety
- ❖ Turn taking
- ❖ Toileting
- ❖ Answering and asking questions
- ❖ Much, much more.....



Teaching daily living skills through video modeling

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Toilet training

- ▣ <http://www.youtube.com/watch?v=21TdH5skw68&feature=related>

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Sneezing

- ▣ <http://www.youtube.com/watch?v=krgzJmrE2ZQ>

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Shaving your face

- ▣ http://www.youtube.com/watch?v=ixM10qw_wTQ&NR=1

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A black and white photograph of a man in a suit and hat operating a vintage movie camera on a tripod. The word "Community" is overlaid in red.

Community

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Learning in the environment

- ▣ <http://www.youtube.com/watch?v=xh313WJvzCw&NR=1>

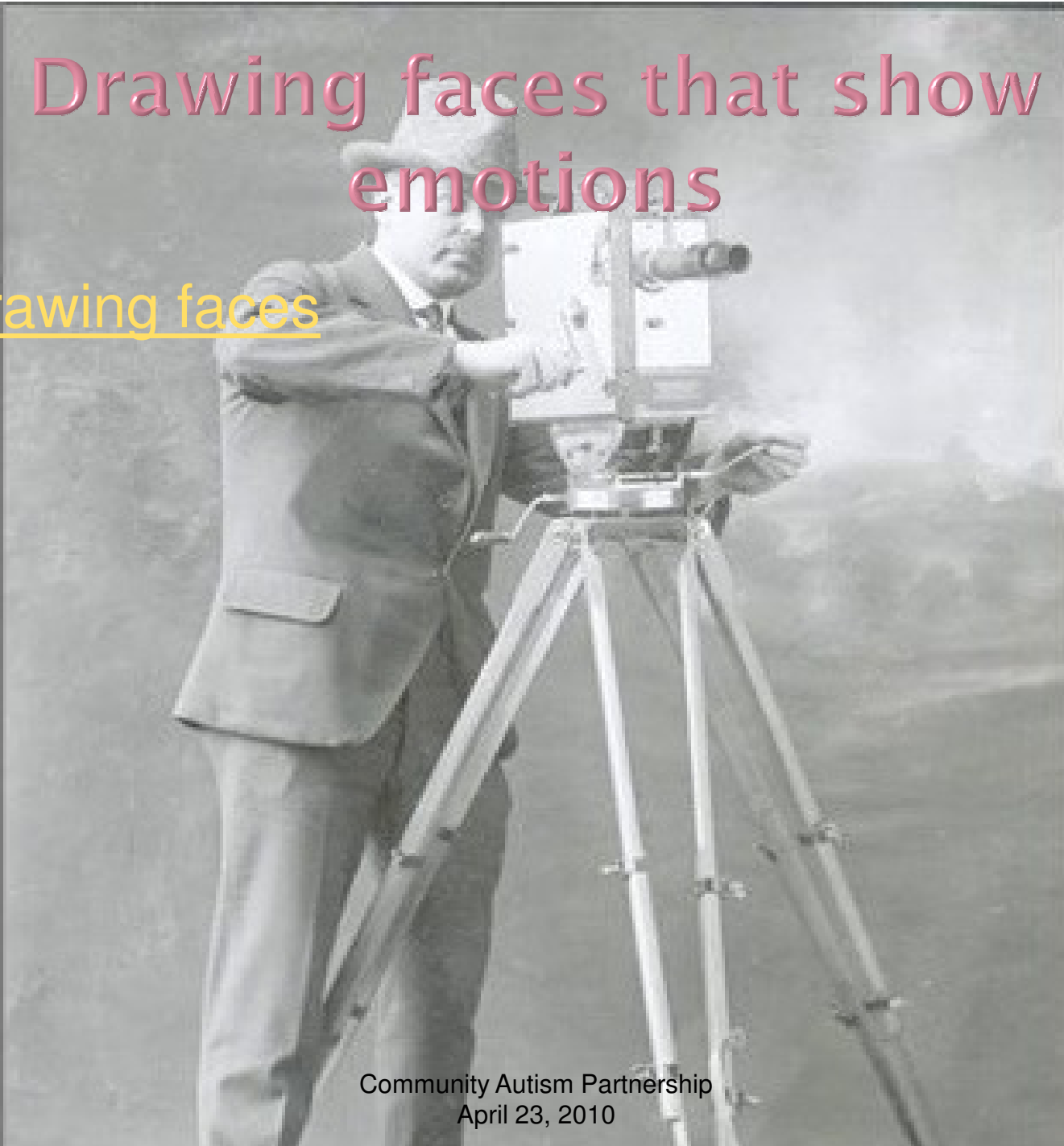


Teaching Feelings

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Drawing faces that show emotions

- ▣ drawing faces



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Empathy

- ▣ http://www.youtube.com/watch?v=mnJz9Ep_4W0&feature=related

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A black and white photograph of a man in a suit and hat operating a vintage movie camera on a tripod. The man is looking towards the camera. The background is a cloudy sky. The text "Teaching Social Skills" is overlaid in red.

Teaching Social Skills

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Sample Video: Play Date


- <http://link17.streamhoster.com/?u=rdk&p=/TimeforaPlaydate.wmv&odaid=6104>



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Playing nicely with friends

- ▣ <http://www.youtube.com/watch?v=m0yj-TKbvnl&feature=related>
- ▣ <http://www.youtube.com/watch?v=Qjg3a3TqhKg&feature=related>

A black and white photograph of a man in a suit and hat operating a large, vintage camera mounted on a tripod. The man is looking through the camera's viewfinder. The background is a plain, light-colored wall. The text "Direct teaching - receptive language" is overlaid in a red, serif font across the middle of the image.

Direct teaching - receptive language

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Hide and seek

- ▣ <http://www.youtube.com/watch?v=zJDYntYhqIc&feature=related>
- ▣ <http://www.youtube.com/watch?v=g74HrNbxdE&feature=related>

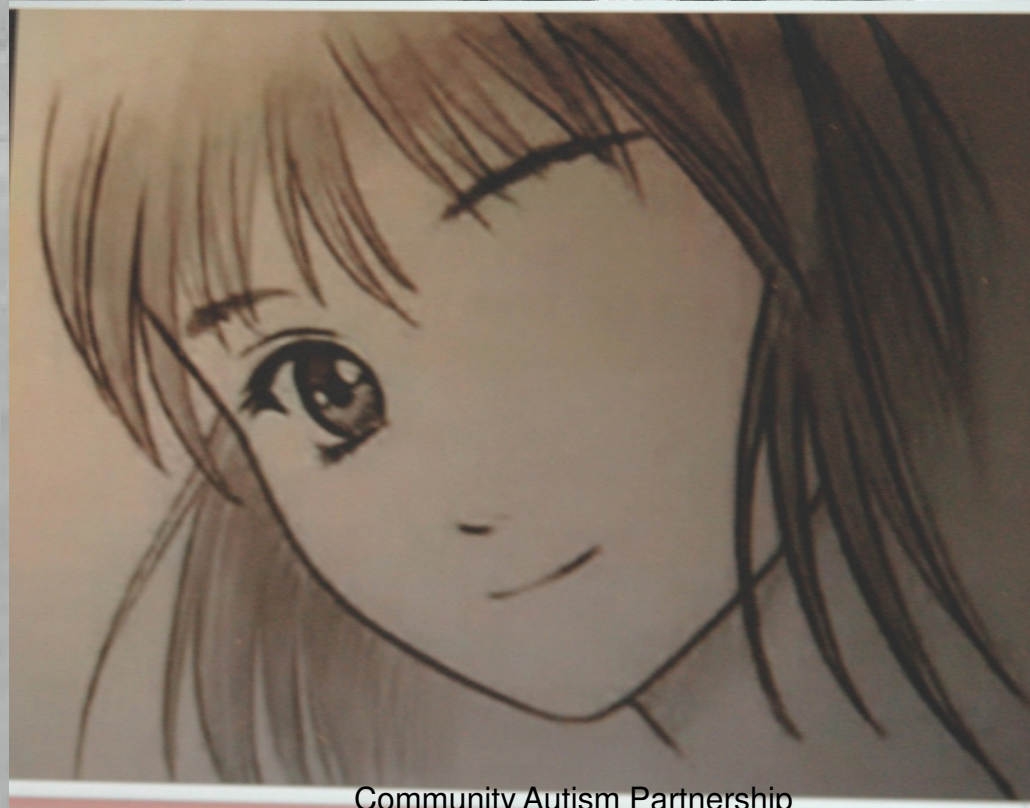
A black and white photograph of a man in a suit and hat operating a large camera on a tripod. The man is looking through the viewfinder. The camera is mounted on a tall, adjustable tripod. The background is a plain, light-colored wall.

Following directions/improving
fine motor skills using an
area of interest

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YOU NEED:



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Manga eye first attempt



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Manga drawing

- ▣ Now let's try it with a video model...
- ▣ <http://www.youtube.com/watch?v=kvOlJXaouHA&feature=related>
- ▣ <http://www.modelmekids.com/video-modeling.html>

Manga eye with video prompting



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Advantages of modeling

A black and white photograph of a man in a suit and hat operating a vintage movie camera on a tripod. The man is looking through the viewfinder. The background is a hazy, outdoor landscape.

- ▣ Effective in teaching verbal behavior
- ▣ Self Care skills
- ▣ Reducing unreasonable fears
- ▣ Improving social understanding
- ▣ Preparing academic activities

Disadvantages



- ▣ Aggression and violence are often present in visual mass media
 - Research show that aggressive behavior suddenly increased when children had been exposed to violent movies
 - Specific forms of aggressive behavior often identical to the ones seen



Process

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Computer Software Programs

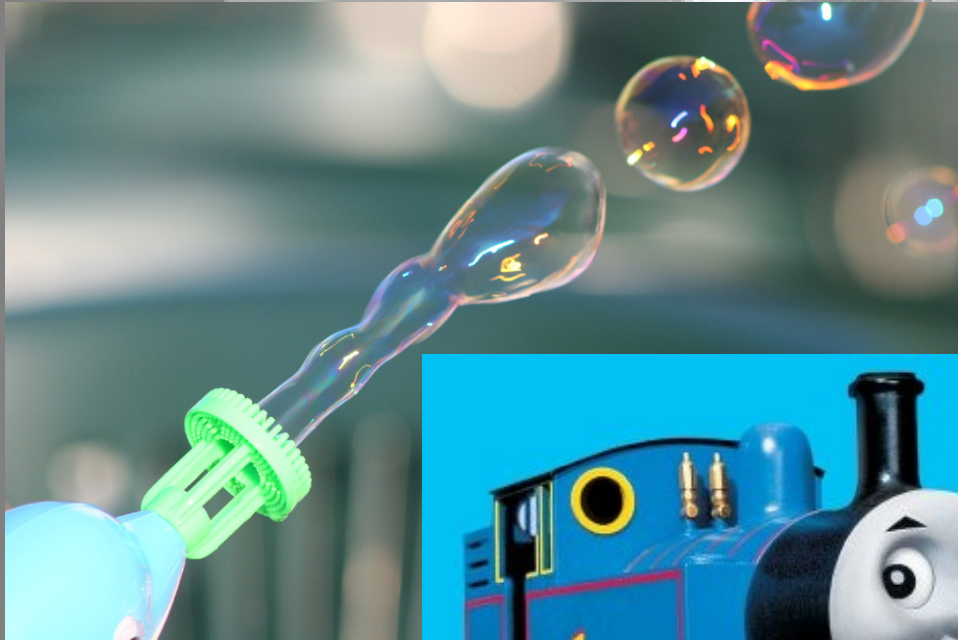
- ▣ Activity Trainer- dttrainer.com

- Free 30 day trial
- Ability to breakdown skills set
- Clear single picture focus



- ▣ Talking Power Point

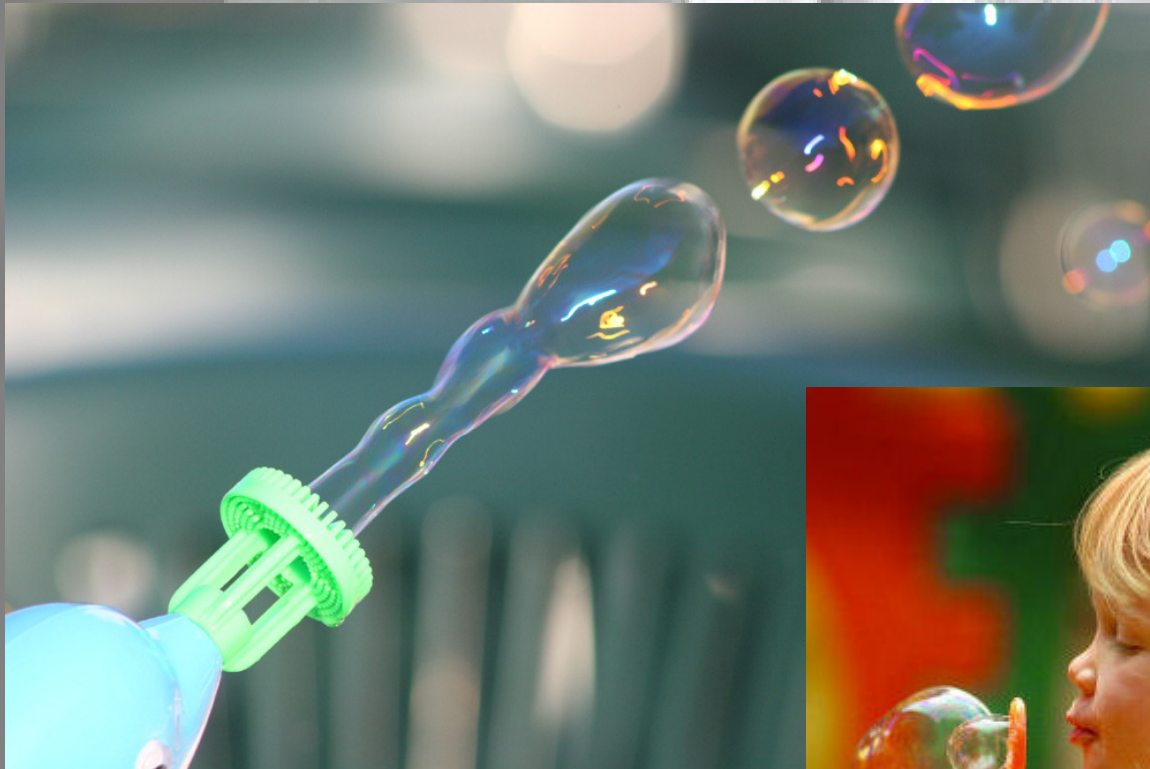
Toys



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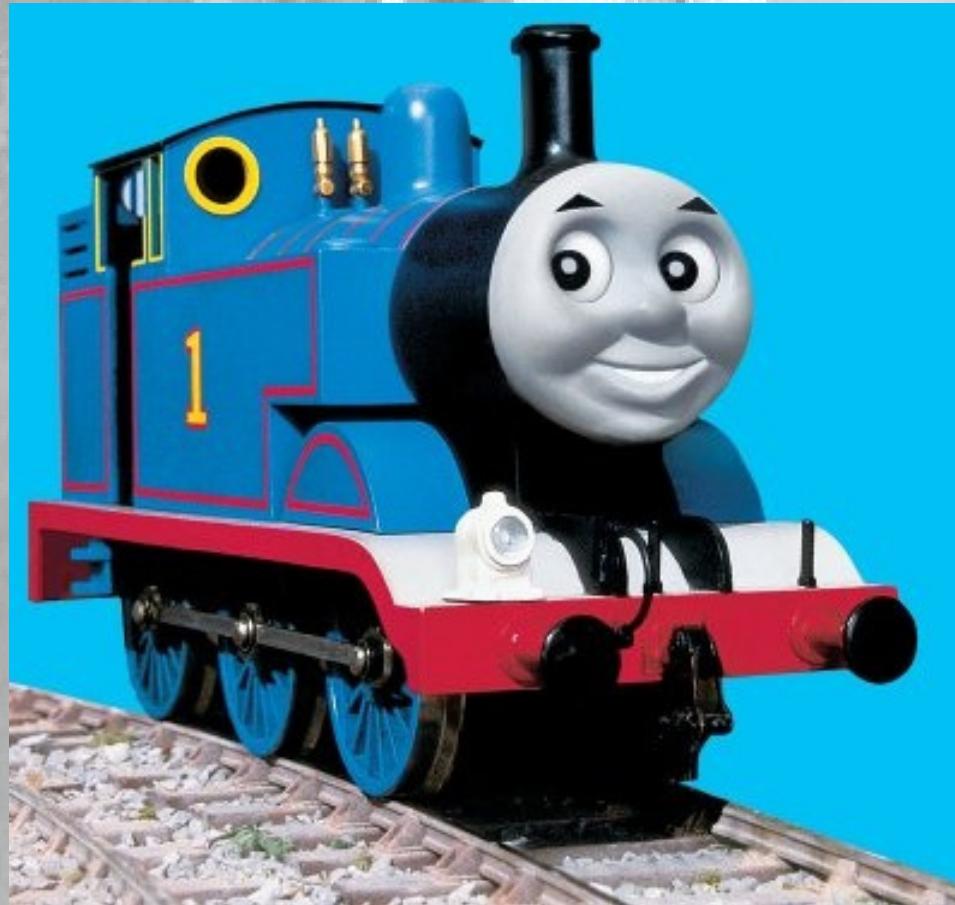


Bubbles



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Thomas the Train



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What you will need to make a
video.....

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Simple Tips:

- ▣ Purchase a video camera with easy editing software
 - Make sure you have cords that can be adapted for USB and Video



Simple Tips:

- ▣ Digital Camera
- ▣ Used for more specific single highlighted areas
- ▣ Make sure you have cords that can be adapted for USB and Video



Picture Walks



- ▣ Take a picture of each significant illustration/photo in the book.
- ▣ You can visually emphasize certain aspects
- ▣ Plug camera into TV
- ▣ Read book and forward through pictures
- ▣ Options: videotape, add voice, have students re-tell story



Making easy videos

- ▣ Plug your camera into the TV(video IN) or VCR (video OUT)
- ▣ Plug your tape recorder or CD into audio IN (on TV) or audio OUT (on VCR)
- ▣ Turn your camera on and find the channel on the TV where your image comes up
- ▣ Put videotape into VCR and push record
- ▣ Simultaneously flip through your pictures while narrating/playing music, etc.
- ▣ Whatever is on the TV screen and is playing through the audio jack will record onto your videotape!

Simple Tips

- ▣ Title your video
- ▣ Limit distractions
- ▣ Highlight relevant information
- ▣ Don't over think it...

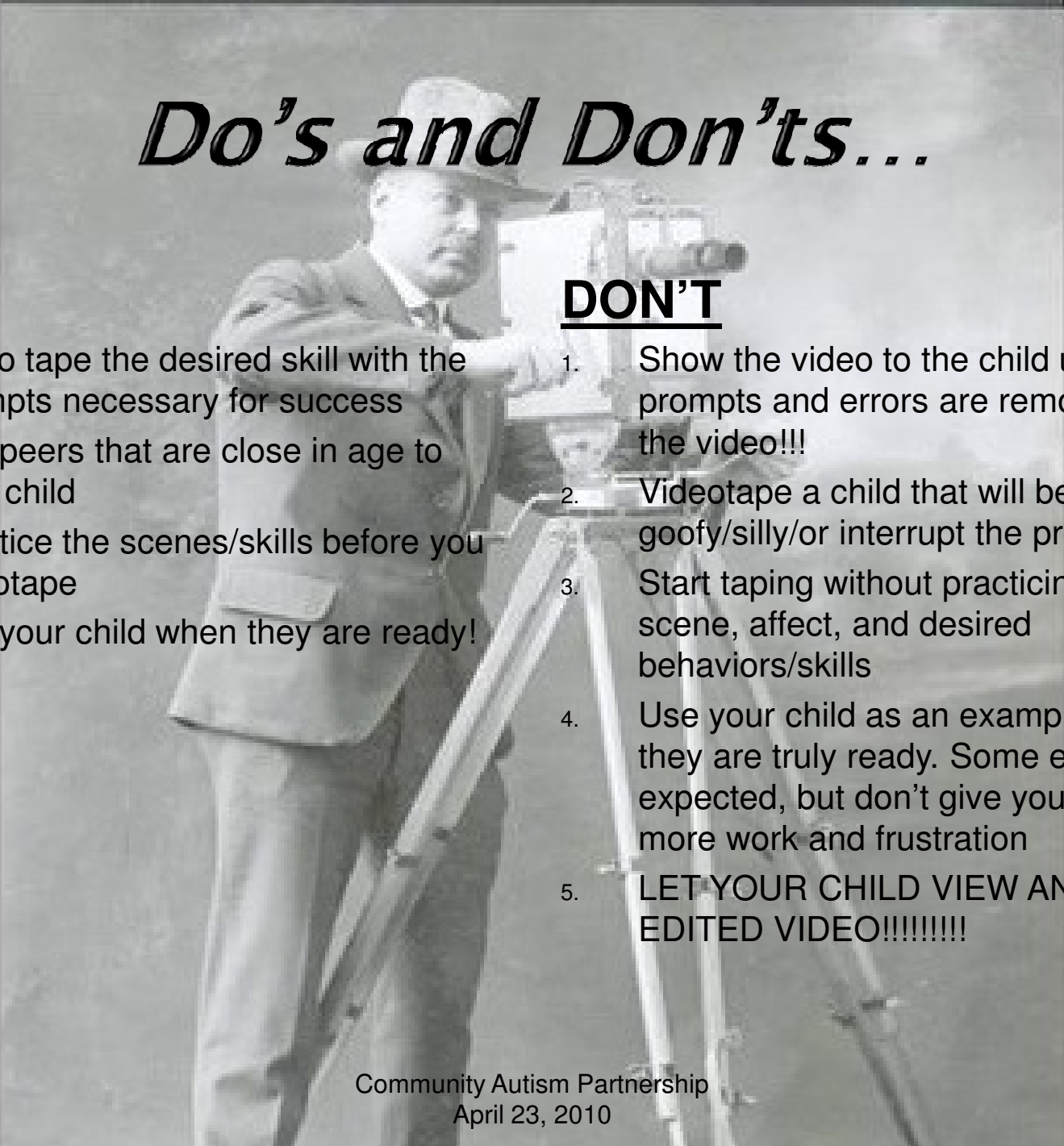


Titles and text

- ▣ Ideas;
 - PowerPoint
 - Magnetic letters
 - Handwritten
 - ▣ Child's own drawings can be really cute
 - ▣ Find stuff on the internet - do a Google search for.....



Do's and Don'ts...

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DO:

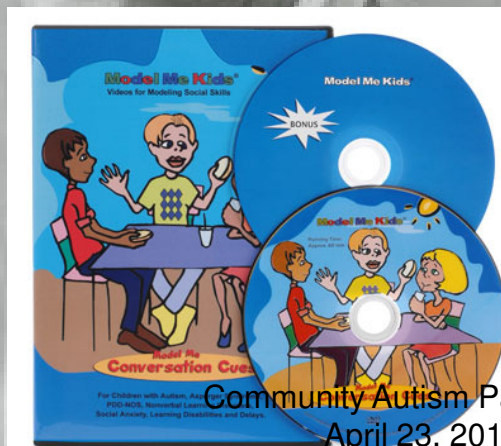
1. Video tape the desired skill with the prompts necessary for success
2. Use peers that are close in age to your child
3. Practice the scenes/skills before you videotape
4. Use your child when they are ready!

DON'T

1. Show the video to the child until the prompts and errors are removed from the video!!!
2. Videotape a child that will be goofy/silly/or interrupt the process
3. Start taping without practicing the scene, affect, and desired behaviors/skills
4. Use your child as an example unless they are truly ready. Some editing is expected, but don't give yourself more work and frustration
5. LET YOUR CHILD VIEW AN UN-EDITED VIDEO!!!!!!!!!!

Products

- ▣ <http://www.youtube.com/watch?v=hjzc3ZYFIAk&feature=related>
- ▣ <http://www.youtube.com/watch?v=2469mgELG7c&feature=related>
- ▣ socialskillbuilder.com
- ▣ [model me kids](http://www.modelmekids.com)



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Time End

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One mother who started her own video company based on her experiences with her son:

<http://www.youtube.com/watch?v=J0nBatn5vUo>

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